

Claims

1. A cable tie, comprising:

an elongate metallic strap having a first end and a second end opposite the first end;

a metallic locking head secured to the first end of the strap for receiving the second end of the strap, the head comprising a strap entry face, a strap exit face, and a strap-receiving aperture extending therebetween, the head further comprising a floor and a roof which diverge in the direction of the exit face,

wherein the head comprises at least one indentation on a first side thereof and at least one indentation on a second side thereof; and

metallic roller means for lockingly engaging the strap, the head comprising retention means disposed adjacent the exit face for captively holding the roller means within the head,

the roller means being movable between a threading position wherein the roller means is disposed adjacent the exit face and the retention means, and a locking position wherein the roller means is closer to the entry face.

2. The cable tie of claim 1 wherein the head comprises two indentations on the first side thereof and two indentations of the second side thereof.

3. The cable tie of claim 1 wherein the head further comprises a lead-in portion at the entry face.

4. The cable tie of claim 1 wherein the strap is coated.
5. The cable tie of claim 1 wherein the roller means comprises a ball.
6. The cable tie of claim 1 wherein the retention means comprises a finger extending from the roof adjacent the exit face.
7. A cable tie, comprising:
 - an elongate metallic strap having a first end and a second end opposite the first end;
 - a metallic locking head secured to the first end of the strap for receiving the second end of the strap, the head comprising a strap entry face, a strap exit face, and a strap-receiving aperture extending therebetween, the head further comprising a floor and a roof which diverge in the direction of the exit face; and
 - metallic roller means for lockingly engaging the strap, the head comprising retention means disposed adjacent the exit face for captively holding the roller means within the head,
 - the roller means being movable between a threading position wherein the roller means is disposed adjacent the exit face and the retention means, and a locking position wherein the roller means is closer to the entry face,
 - wherein the first end of the strap comprises at least one rib disposed adjacent the head.

8. The cable tie of claim 7 wherein the first end of the strap comprises two ribs adjacent the head.

9. The cable tie of claim 7 wherein the head further comprises a lead-in portion at the entry face.

10. The cable tie of claim 7 wherein the strap is coated.

11. The cable tie of claim 7 wherein the roller means comprises a ball.

12. The cable tie of claim 7 wherein the retention means comprises a finger extending from the roof adjacent the exit face.

13. A cable tie, comprising:

an elongate metallic strap having a first end and a second end opposite the first end;

a metallic locking head secured to the first end of the strap for receiving the second end of the strap, the head comprising a strap entry face, a strap exit face, and a strap-receiving aperture extending therebetween, the head further comprising a floor and a roof which diverge in the direction of the exit face,

wherein the head comprises at least one indentation on a first side thereof and at least one indentation on a second side thereof; and

metallic roller means for lockingly engaging the strap, the head comprising retention means disposed adjacent the exit face for captively holding the roller means within the head,

the roller means being movable between a threading position wherein the roller means is disposed adjacent the exit face and the retention means, and a locking position wherein the roller means is closer to the entry face,

wherein the first end of the strap comprises at least one rib disposed adjacent the head.

14. The cable tie of claim 13 wherein the head comprises two indentations on the first side thereof and two indentations of the second side thereof.

15. The cable tie of claim 13 wherein the first end of the strap comprises two ribs adjacent the head.

16. The cable tie of claim 13 wherein the head further comprises a lead-in portion at the entry face.

17. The cable tie of claim 13 wherein the strap is coated.

18. The cable tie of claim 13 wherein the roller means comprises a ball.

19. The cable tie of claim 13 wherein the retention means comprises a finger extending from the roof adjacent the exit face.